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| U.S. DEPARTMENT OF COMMERCE, PATENT AND TRADEMARK OFFICE | | DATE: <u>21</u> December 2004 (<u>21</u> .12.2004) |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | U.S. APPL. NO. (if known): Not Yet Assigned 10/518508 |
| INTERNATIONAL APPLICATION NO.: PCT/IE2003/000047 | INTERNATIONAL FILING DATE: 25 March 2003 (25.03.2003) | PRIORITY DATE CLAIMED: 24 June 2002 (24.06.2002) IE |
| TITLE OF INVENTION: RESIDUAL CURRENT DETECTION CIRCUIT | | |
| APPLICANT(S) FOR DO/EO/US: WARD, Patrick | | |
| Applicant hereby submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | |
| <p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 USC 371(f) The submission must include items(5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31)</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)):</p> <p style="margin-left: 40px;">a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</p> <p style="margin-left: 40px;">b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p style="margin-left: 40px;">c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</p> <p>6. <input type="checkbox"/> A English translation of the International Application as filed (35 U.S.C. 371(c)(2).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p style="margin-left: 40px;">a. <input type="checkbox"/> are attached hereto (required only if not transmitted by the International Bureau).</p> <p style="margin-left: 40px;">b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p style="margin-left: 40px;">c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p style="margin-left: 40px;">d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p>ITEMS 11 to 20 BELOW CONCERN OTHER DOCUMENT(S) OR INFORMATION INCLUDED:</p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A FIRST preliminary amendment.</p> <p>14. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter2 and 35 USC 1821 - 1825</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 USC 154(d)(4)</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 USC 154(d)(4)</p> <p>20. <input checked="" type="checkbox"/> Other items or information: TRANSMITTAL FORM UNDER 371; FEE CALCULATION; INTERNATIONAL PUBLICATION WO 2004/001924 A1 WITH INTERNATIONAL PUBLICATION DATE 31 DECEMBER 2003 (31.12.2003) AND INTERNATIONAL SEARCH REPORT WHICH CONSISTS OF 21 PAGES INCLUDING 2 PAGES OF COVER SHEET CONTAINING THE ABSTRACT, 10 PAGES TEXTUAL SPECIFICATION, 3 PAGES OF 9 CLAIMS; 6 SHEETS DRAWINGS; PRELIMINARY AMENDMENT WITH ATTACHMENT A TO BE EXAMINED; EXECUTED INVENTOR'S DECLARATION; ASSIGNMENT AND RECORDATION COVER SHEET.</p> | | |

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| U.S. APPLICATION NO. (if known) not yet assigned <div style="font-size: 24pt; font-weight: bold;">10/518508</div> | INTERNATIONAL APPLICATION NO. PCT/IE2003/000047 | DATE: <u>21</u> December 2004 (<u>21</u> 12.2004) |
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| 21. <u>x</u> The following fees are submitted: Basic National Fee (37 CFR 1.492(a)(1)-(5): For Basic National Stage Fee, Search Fee, and Examination Fee:\$1,000.00 To reflect new fees in effect December 8, 2004 ENTER APPROPRIATE BASIC FEE AMOUNT = | <u>CALCULATIONS</u> \$1,000.00 \$1,000.00 | <u>PTO USE ONLY</u> |
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| Surcharge of \$130.00 for furnishing the oath or declaration later than ____ 20 ____ 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | \$ 0.00 | |
|--|---------|--|

| CLAIMS | NO. FILED | NO. EXTRA | RATE | | |
|--|-----------|-----------|-------------|---------------|----------|
| TOTAL | 9 -20= | 0 | X \$ 50.00 | \$ | 0.00 |
| INDEPENDENT | 2 - 3= | 0 | X \$ 200.00 | \$ | 0.00 |
| Multiple dependent claims(s) (if applicable) | | | + \$300.00 | \$ | 0.00 |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$ | 1,000.00 |
| Reduction by 2 for asserting small entity, if applicable. (Note 37 CFR 1.9, 1.27, 1.28). | | | | \$ | 500.00 |
| SUBTOTAL = | | | | \$ | 500.00 |
| Petition Under 37 CFR 1.137(b) with petition fee as set forth in § 1.17(m) small entity | | | | \$ | 0.00 |
| Processing fee of \$130.00 for furnishing the English translation later than ____ 20 ____ 30 months from the earliest claimed priority date (37 CFR 1.492(f)). _____ + _____ | | | | \$ | 0.00 |
| TOTAL NATIONAL FEE = | | | | \$ | 500.00 |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + _____ | | | | \$ | 40.00 |
| TOTAL FEES ENCLOSED = | | | | \$ | 540.00 |
| | | | | Amount to be: | |
| | | | | refunded | \$ |
| | | | | charged | \$ |

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| U.S. APPLICATION NO. (if known) not yet assigned 10/518508 | INTERNATIONAL APPLICATION NO. PCT/IE2003/000047 | DATE: <u>21</u> December 2004 (<u>21</u> .12.2004) |
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a. ☒ Two checks in the amounts of \$ 500.00 and \$ 40.00 to cover the above fees are enclosed.

b. ☐ Please charge my Deposit Account No. 14-0112 in the amount of \$ _____ to cover the above fees. (A duplicate copy of this sheet is enclosed.)

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0112.

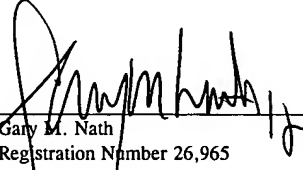
d. Fees are to be charged to a credit card ☐ WARNING: Information on this form may become public ☐ Credit Card Information should not be included on this form. ☐ Provide credit card information and authorization on PTO-2038

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed to request that the application be restored to pending status.

Send All Correspondence To:

Gary M. Nath
NATH & ASSOCIATES PLLC
1030 15th Street, N.W.
Sixth Floor
Washington, D.C. 20005

(202) 775-8383 (phone)
(202) 775-8396 (fax)



Gary M. Nath
Registration Number 26,965
Jerald L. Meyer
Registration No. 41,194
Customer No. 20529

10/518508

MAIL STOP PCT

Attorney Docket No. 26533U

DT12 Rec PCT/PTO 21 DEC 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

WARD, Patrick

International Application No. PCT/IE2003/000047

Serial No. NOT YET ASSIGNED

International Filing Date: 25 March 2003(25.03.2003)

Filed: December 21, 2004

For: **RESIDUAL CURRENT DETECTION CIRCUIT**

TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

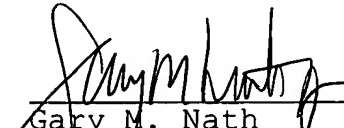
Submitted herewith for filing in the U.S. Patent and Trademark Office is the following:

- (1) Transmittal Letter;
- (2) Transmittal Letter To U.S. Designated/Elected Office (DO/EO/US) Concerning Filing under 35 U.S.C. 371
- (3) International Publication No: WO 2004/001924 A1 with International Publication Date: 31 December 2003 (31.12.2003) and International Search Report which consists of 21 pages including:
 - 2 pages of cover sheet containing the Abstract,
 - 10 pages Textual Specification,
 - 3 pages of 9 claims,
 - 6 sheets of Drawings,
- (4) **Preliminary Amendment with Attachment A to be examined;**
- (5) Executed Declaration/Power of Attorney;
- (6) Assignment and Recordation Cover Sheet;
- (7) Check No. 22275 \$ 500.00 for Basic National Stage Fee, Search Fee, and Examination Fee **to reflect new fees effective December 8, 2004;**
- (8) Check No. 22276 \$ 40.00 for Recordation Fee;
- (9) Postcard for early notification of serial number.

Respectfully submitted,

NATH & ASSOCIATES PLLC

By:


Gary M. Nath
Registration No. 26,965
Jerald L. Meyer
Registration No. 41,194
Customer No. 20529

Date: December 21, 2004
NATH & ASSOCIATES PLLC
1030th 15th Street, NW - 6th Floor
Washington, D.C. 20005
GMN/JLM/ng/PCT.NATLphase.GMN

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